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TITLE: SHEATH-CORE TYPE CONJUGATE POLYESTER
FIBER

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ABSTRACT:

PURPOSE: The titled fibers containing a sheath component of a polyester slightly dyeable with cationic dyes and a core component of cation-dyeable modified polyester and capable of producing colored patterns of high quality comparable to that of printing by dip dyeing depending on the presence and absence of an alkali.

CONSTITUTION: Sheath-core type conjugate polyester fibers containing a polyester slightly dyeable with cationic dyes as a sheath component and a

cationic- dyeable polyester modified with a
copolymerization component as a
core component, and obtained by conjugate spinning to give
 $0.05 \sim 0.3$
cross-sectional area ratio of the sheath component to the
yarn cross section in
the yarn cross section perpendicular to the yarn axis of
the sheath-core type
conjugate polyester fibers. An isophthalic component
containing metallic
sulfonate group, e.g. dimethyl (5-sodium
sulfo)isophthalate, and a polyalkylene
glycol, e.g. polyethylene glycol, are preferably used
together as the
copolymerization component in the core component.

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